



Subject card

Subject name and code	Selected Problems in Algorithms and Technology, PG_00048013						
Field of study	Informatics						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish		
Semester of study	7	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Algorithms and Systems Modelling -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Robert Janczewski					
	Teachers	dr hab. inż. Robert Janczewski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	15.0	45
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours		Self-study		SUM
	Number of study hours	45	4.0		51.0		100
Subject objectives	Acquiring the ability to build and use models of discrete optimization and design effective solutions, exact and approximate.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U10] can individually plan their own lifelong education, also by means of advanced information and communication technologies (ICT), and communicate with people from their environment, firmly justify their point of view, participate in debates, present, assess and discuss different opinions and points of view, as well as use specialist terminology related to the field of study in communication	Student learns specialist terminology related to computer science.			[SU1] Assessment of task fulfilment		
	[K6_W06] Knows and understands the basic processes occurring in the life cycle of devices, facilities and systems specific to a given field of study.	Student learns methods of modelling of life cycle of computer systems.			[SW1] Assessment of factual knowledge		
	[K6_U07] can apply methods of process and function support, specific to the field of study	Student learns methods of supporting IT processes.			[SU1] Assessment of task fulfilment		

